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(71) Applicant (for all designated States except US): SEA-  
GATE TECHNOLOGY, LLC [US/US]; 920 Disc Drive,  
Scotts Valley, CA 95066 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KHIZROEV,  
Sakhrat [RU/US]; 321 Jucunda Street, Pittsburgh, PA  
15210 (US). LITVINOV, Dmitri [UA/US]; 1328 S.

Negley Avenue, Pittsburgh, PA 15217 (US). KRYDER,  
Mark, Howard [US/US]; P.O. Box 191, 4825 Wexford  
Run Road, Bradfordwoods, PA 15015 (US). BAIN, James,  
A. [US/US]; 1118 Lancaster Avenue, Pittsburgh, PA 15218  
(US).

(74) Agent: TOWNER, Alan, G.; Eckert Seamans Cherin &  
Mellott, LLC, 44th floor, 600 Grant Street, Pittsburgh, PA  
15219 (US).

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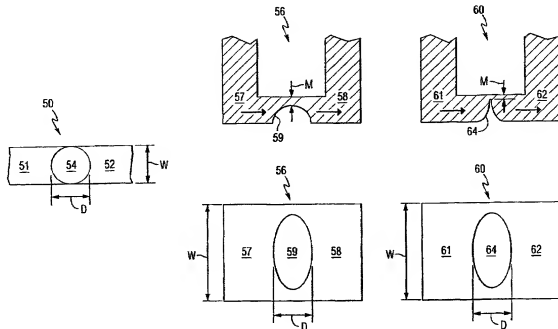
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(54) Title: LONGITUDINAL MAGNETIC RECORDING HEADS WITH VARIABLE-LENGTH GAPS



(57) Abstract: A longitudinal recording head (50, 56, 60) for use with magnetic recording media includes a non-uniform gap (54, 59, 64) between first (51, 57, 61) and second magnetic (52, 58, 62) poles which focuses magnetic flux onto a small area of the magnetic recording medium. The non-uniform gap is preferably in the form of a cavity that is contoured to produce the desired flux pattern. Longitudinal recording heads incorporating the non-uniform gap are capable of improved recording densities.

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